

SSB 7-12 / 7-12L

(12V 7Ah)

VdS: G 112108

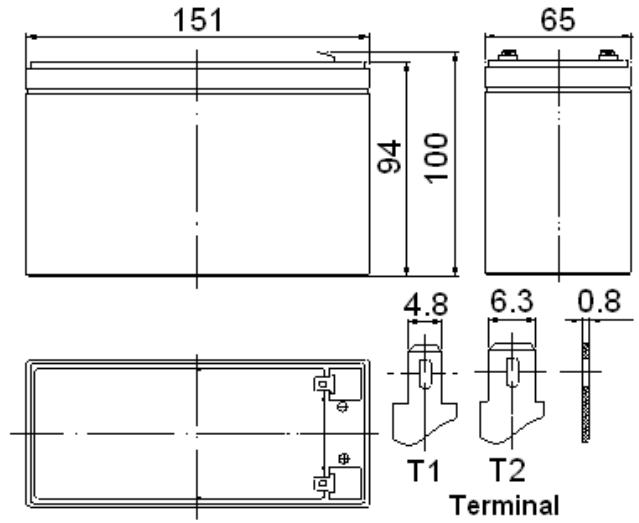
General Purpose battery with >6 years design life (EUROBAT)

Status: 01-2014

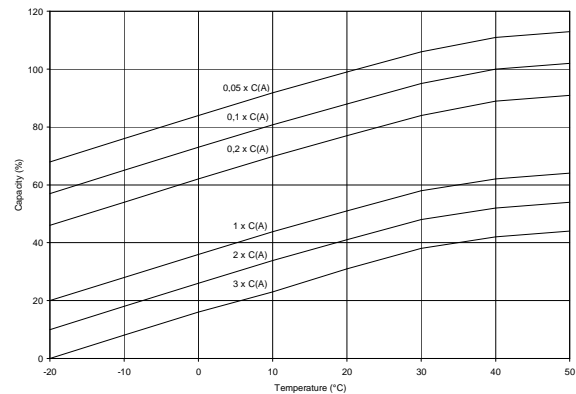
Specifications

Nominal Voltage		12V
Capacity (20hr@25°C@1.75V/C)		7Ah
Dimensions	Length	151mm (5.94inch)
	Width	65mm (2.56inch)
	Height	94mm (3.70inch)
	Total Height	100mm (3.94inch)
Approx. Weight		2.30kg (5.07lbs)
Maximum charging current		2.8A
Maximum discharge current		105A (5sec.)
Internal resistance (Fully charged, 25°C)		Approx. 23mΩ
Capacity affected by temperature (20hr)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C (77°F)
Operating temperature range		-15°C ~ 50°C (5°F ~ 122°F)
Float charging voltage (25°C)		13.65 to 13.80V
Cyclic charging voltage (25°C)		14.50 to 14.90V
Absorbent glass mat technology		
ABS (UL94-HB) container		Recognized by UL & CE

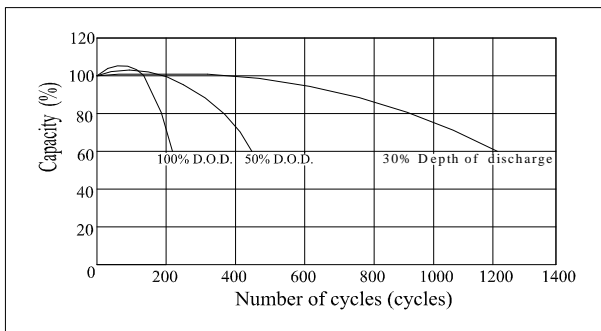
Dimensions



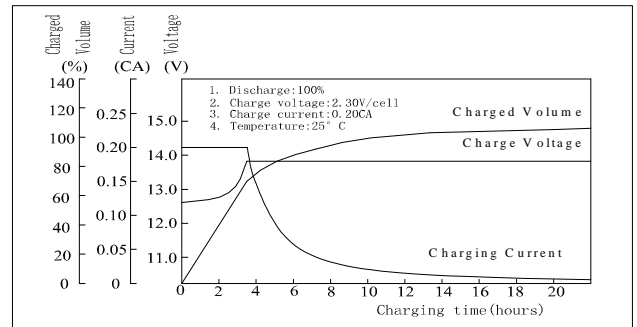
Temperature Effects in Relation to Battery Capacity



Cycle Life (25°C)



Charging Characteristics (25°C)



Constant Current Discharge Characteristics (Ampere @ 25°C)

F.V/TIME	10min	15min	30min	1h	3h	5h	10h	20h
9.60V	16,0	12,1	7,45	4,37	1,87	1,27	0,698	0,367
10.2V	13,6	10,5	6,72	4,06	1,78	1,21	0,678	0,360
10.8V	10,6	8,6	5,88	3,68	1,68	1,15	0,651	0,350

Constant Power Discharge Characteristics (Watt per cell @ 25°C)

F.V/TIME	10min	15min	30min	1h	3h	5h	10h	20h
9.60V	27,7	21,4	13,6	8,21	3,58	2,44	1,372	0,722
10.2V	24,3	19,1	12,5	7,73	3,43	2,35	1,336	0,710
10.8V	19,5	15,9	11,1	7,06	3,26	2,25	1,286	0,692

All mentioned values are average values.